## California Weather-Hydro Conditions during October 2017

As of October 31, 2017, statewide hydrologic conditions were as follows: precipitation, 30 percent of average to date; runoff, 95 percent of average to date; and reservoir storage, 115 percent of average to date.

Sacramento River Region unimpaired runoff, for Water Year 2018, observed through October 31, 2017 was about 0.4 million acre-feet (MAF), which is about 91 percent of average. In comparison to Water Year 2017, the observed Sacramento River Region unimpaired runoff through October 31, 2016 was about 0.9 MAF, or about 188 percent of average. San Joaquin River Region unimpaired runoff, for Water Year 2018, observed through October 31, 2017 was about 0.1 MAF, which is about 114 percent of average. In comparison to Water Year 2017, the observed San Joaquin River Region unimpaired runoff through October 31, 2016 was about 0.3 MAF, or about 436 percent of average. Tulare Lake Region unimpaired runoff, for Water Year 2018, observed through October 31, 2017 was about 0.1 MAF, which is about 125 percent of average. In comparison to Water Year 2017, the observed Tulare Lake Region unimpaired runoff through October 31, 2016 was about 0.03 MAF, or about 73 percent of average.

On October 31, 2017, the Northern Sierra 8-Station Precipitation Index Water Year total was 0.8 inches, which is about 25 percent of the seasonal average to date and 1 percent of an average water year (51.8 inches). During October, the total precipitation for the 8-Stations was 0.8 inches, or about 27 percent of average for the month. Last year on October 31, 2016, the Water Year 2017 seasonal total for the 8-Stations was 11.9 inches, or about 385 percent of average.

On October 31, 2017, the San Joaquin 5-Station Precipitation Index Water Year total was 0.4 inches, which is about 16 percent of the seasonal average to date and 0 percent of an average water year (40.2 inches). During October, the total precipitation for the 5-Stations was 0.4 inches, or about 18 percent of average for the month. Last year on October 31, 2016, the Water Year 2017 seasonal total for the 5-Stations was 6.3 inches, or about 263 percent of average.

On October 31, 2017, the Tulare Basin 6-Station Precipitation Index Water Year total was 0.4 inches, which is about 16 percent of the seasonal average to date and 0 percent of an average water year (28.8 inches). During October, the total precipitation for the 6-Stations was 0.1 inches, or about 8 percent of average for the month. Last year on October 31, 2016, the Water Year 2017 seasonal total for the 6-Stations was 1.6 inches, or about 126 percent of average.

Daily Precipitation (in inches) for Selected Stations as of 10/31/2017											
Station	Water Year 2018 to Oct 31, 2017	% Average	Water Year 2017 to Oct 31, 2016	% Average	WY 2018% of Avg Water Year (Oct 1 – Sep 30)						
Mount Shasta	0.62	27	11.84	517	1						
Eureka	1.63	73	9.56	427	4						
Redding	0.33	16	6.22	296	1						
South Lake Tahoe	0.47	26	7.30	406	2						
Sacramento Executive Airport	0.15	16	4.64	488	1						
Santa Rosa (Sonoma Co AP)	0.21	10	5.16	254	1						
San Francisco	0.31	28	2.35	210	1						
Stockton	0.12	15	2.32	283	1						
Yosemite	0.50	25	6.58	327	1						
Monterey	0.17	18	2.82	303	1						
Paso Robles	0.09	15	1.34	216	1						
Fresno	0.09	14	0.67	106	1						
Bakersfield	0.00	0	0.24	80	0						
Death Valley	0.00	0	0.03	43	0						
Los Angeles	0.10	15	0.51	77	1						
Riverside	0.00	0	0.86	307	0						
Palm Springs	0.00	0	0.07	16	0						
San Diego	0.00	0	0.03	5	0						

Key Reservoir Storage (1,000 AF) as of 10/31/2017												
Reservoir	River	Storage	Avg Storage	% Average	Capacity	% Capacity	Flood Control Encroachment	Total Space Available				
Trinity Lake	Trinity	1,753	1,591	110	2,448	72		695				
Shasta Lake	Sacramento	3,177	2,674	119	4,552	70	-715	1,375				
Lake Oroville	Feather	1,218	2,127	57	3,538	34	-1,945	2,320				
New Bullards Bar Res	Yuba	650	541	120	966	67	-146	316				
Folsom Lake	American	557	498	112	977	57	-167	420				
New Melones Res	Stanislaus	2,000	1,340	149	2,400	83	30	420				
Don Pedro Res	Tuolumne	1,599	1,309	122	2,030	79	-91	431				
Lake McClure	Merced	663	449	147	1,025	65	-12	362				
Millerton Lake	San Joaquin	314	195	161	520	60	-122	206				
Pine Flat Res	Kings	470	345	136	1,000	47	-386	530				
Isabella	Kern	170	164	103	568	30	0	398				
San Luis Res	(Offstream)	1,502	1,080	139	2,041	74		537				

The latest National Weather Service Climate Prediction Center (CPC) long-range, 1-month precipitation outlook for December 2017, issued November 16, 2017, suggests average precipitation for all of California.